



Volpe National
Transportation
Systems Center
Cambridge, MA

New Opportunities and Business Trends at the Volpe Center

AFCEA Presentation
Frank L. Hassler
November 13, 1997

11/07/97

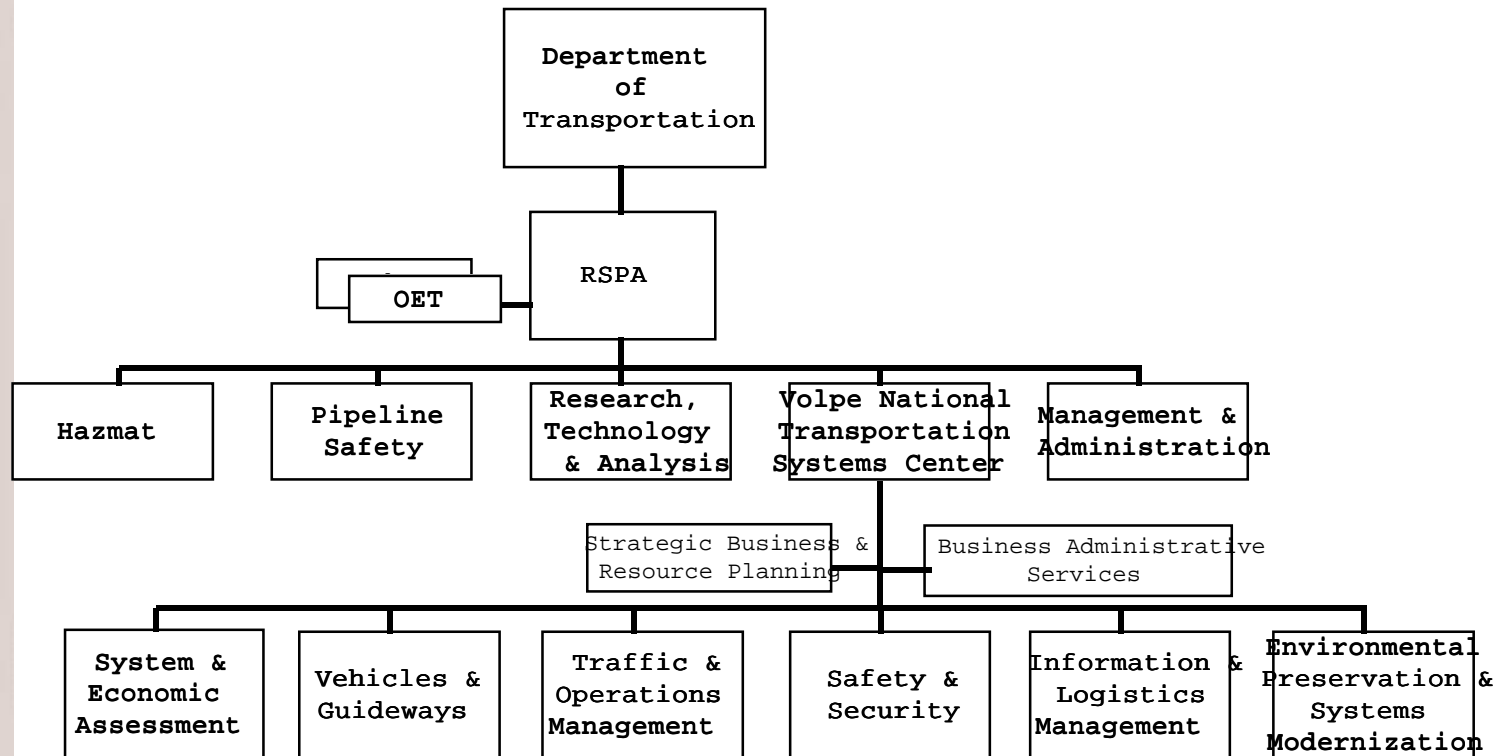


Volpe National
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OVERVIEW
VISION
ORGANIZATION
MISSION
CAPABILITY
FUNDING
CUSTOMER BASE
STAFFING
PRIORITIES
EXPERTISE
SATISFACTION
COMMUNITY
INNOVATION

A Federal Partner

- p A Catalyst for Innovation
- p A Forum for Government, Industry & Academia





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Diverse Functional Expertise

Vehicle, Guideway, and Terminal Systems

Communication, Navigation, and

Operations Research and Analysis

Management Processes and Systems

Management Information Systems

Logistic Management Systems

Geographic Information Systems

Data Fusion, Processing & Storage

Business Process Redesign

Organizational Assessment



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A Unique Capability

TRANSPORTATION EXPERTISE

Institutional knowledge of transportation system and its stakeholder perspectives.

FEDERAL PERSPECTIVE

Federal responsibilities, objectives, and activities in the public interest.

TECHNICAL DISCIPLINES

Full spectrum of technologies and disciplines relevant to transportation system improvements.



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Program Focus Aligned with National Priorities

- p Transportation Safety & Security
- p Strategic Investment & Resource Allocation
- p Evolution of Transportation Technology
- p Energy and the Environment
- p Performance of Federally Provided Transportation Services
- p Efficient & Effective Federal Use of Transportation



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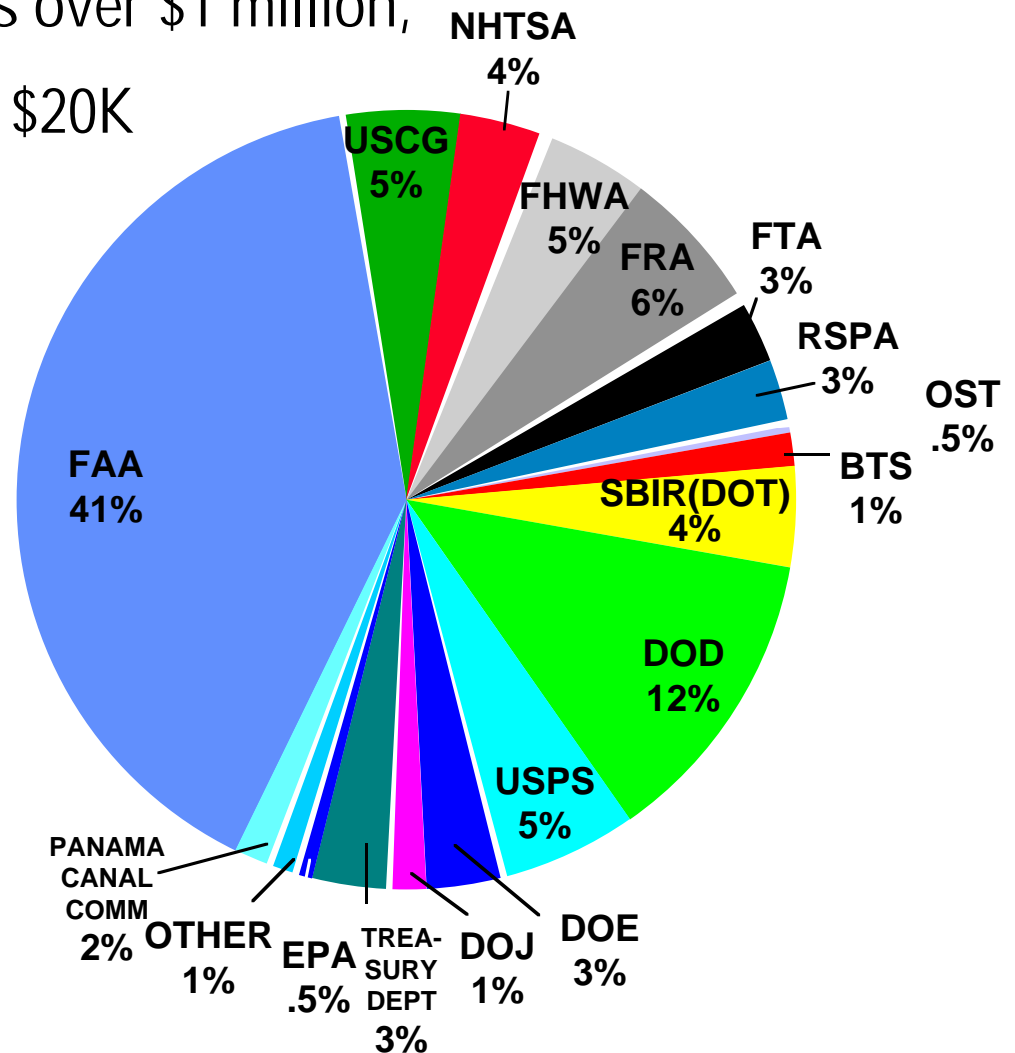
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Current Program Sponsors

- p Largest project \$ 7 million,
- p 58 projects over \$1 million,
- p 361 above \$20K

TOTAL FY97
OBLIGATIONS

\$204.8 Million





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Volpe Staffing Strategy

- p Core Federal Workforce
- p Flexible Staff Extension through:
 - m Onsite Contractor Staff (relatively stable workforce for long-term efforts)
 - ISE 300ly awarded CSC 11/1/97
 - ORA 80 ly awarded 11/1/97
 - m Task Order, A&E, Other Contracts (special purpose and/or short-term efforts)
 - OMNI II (VGT, CNS, ORA, ISE expiring 1998)

-



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Onsite Technical Support

p Information Systems Engineering

- m Awarded to CSC 11/1/97

- m 300ly

p Operations Research & Analysis

- m Awarded to EG&G/Dynatrend 11/1/97

- m 80ly



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OMNI II

- p Vehicle, Guideway, and Terminal Systems
 - m Expires March, 1998
- p Communication, Navigation, and Surveillance Systems
 - m Expires May 1998
- p Operations Research and Analysis
 - m Expires August, 1998
- p Information Systems Engineering
 - m Expires October, 1999



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Security Systems

- p Includes risk analyses; vulnerability analyses; development of requirements; system design, development, integration, and installation
- p Multiple Award Task Order
- p \$45m / 2 yr w/ 3 one yr options
- p RFP Issued 10/6/97, Closes (11/18/98)



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Communication, Navigation, and Surveillance

- p Includes air, marine, and ground based communication, navigation, and surveillance systems and technologies
- p Multiple award task order
- p Under OMNI II, 24 awards for \$77m (\$51m obligated)
- p Expires 5/24/97



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Transportation Logistics, Operations Research & Analysis

- p Includes ORA, simulation/modeling, risk analysis, benefit/cost analysis, strategic planning
- p Multiple Award Task Order
- p Under OMNI II, 43 awards for \$52m (\$35m obligated)
- p Expires August, 1998



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Information Systems Engineering

- p Includes software development; MIS development; data fusion, processing, storage; business process redesign
- p Multiple Award Task Order
- p Under OMNI II, 41 awards for \$121m (\$80m obligated)
- p Expires October 1999



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Other FY98 Procurements

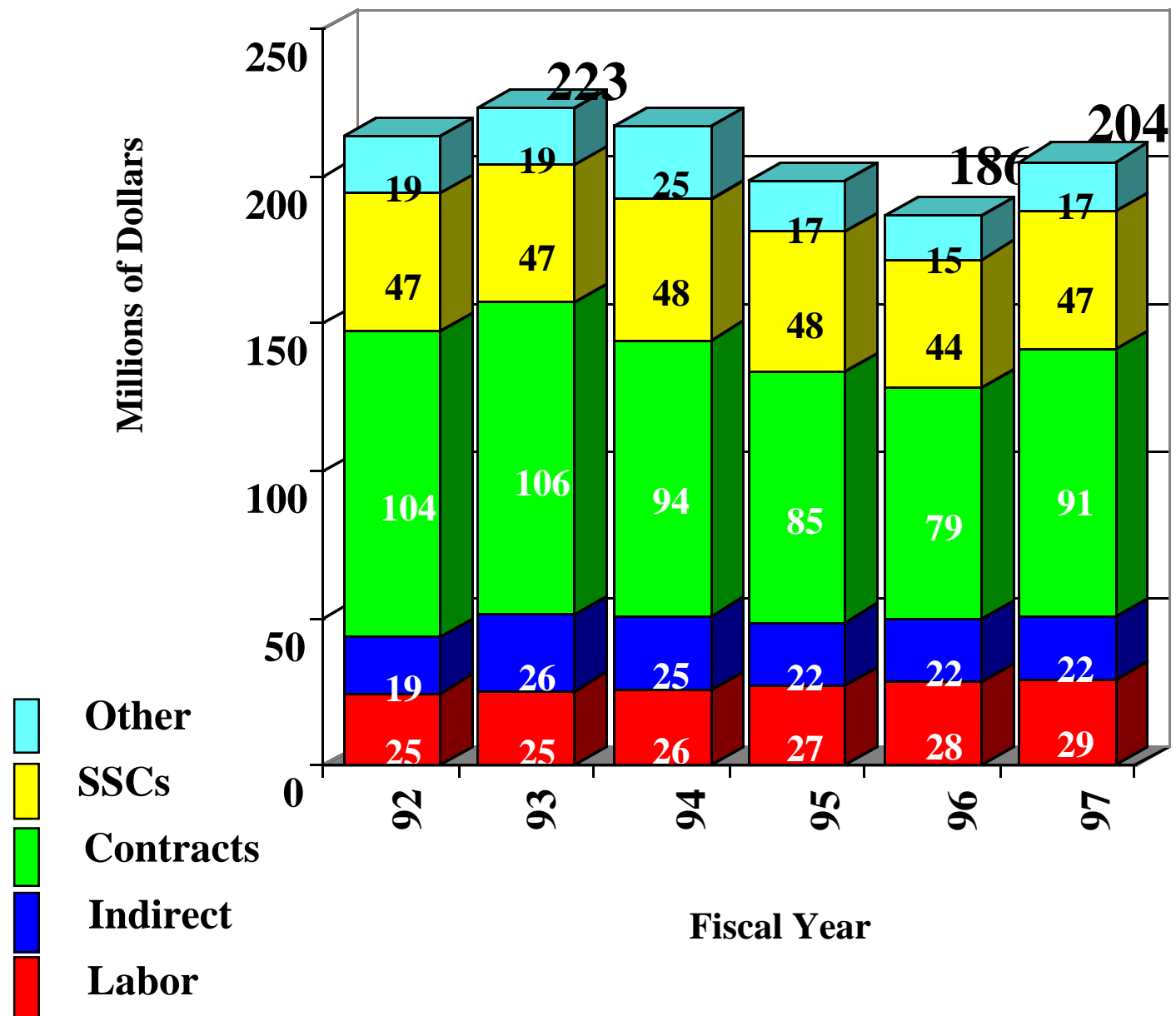
- p Noise Analysis Support
 - m 5 year TTD type,
- p Airport Surface Project - fiberoptics
- p High Speed Ground Transportaiton
- p Rail Cars for USA TACOM
- p Technical Support RWY Equipment Crashworthiness
- p Technical Support- Vehicle/Track Interact
- p Technical Support Structures & Mechanics
- p

See Volpe Website www.volpe.dot.gov



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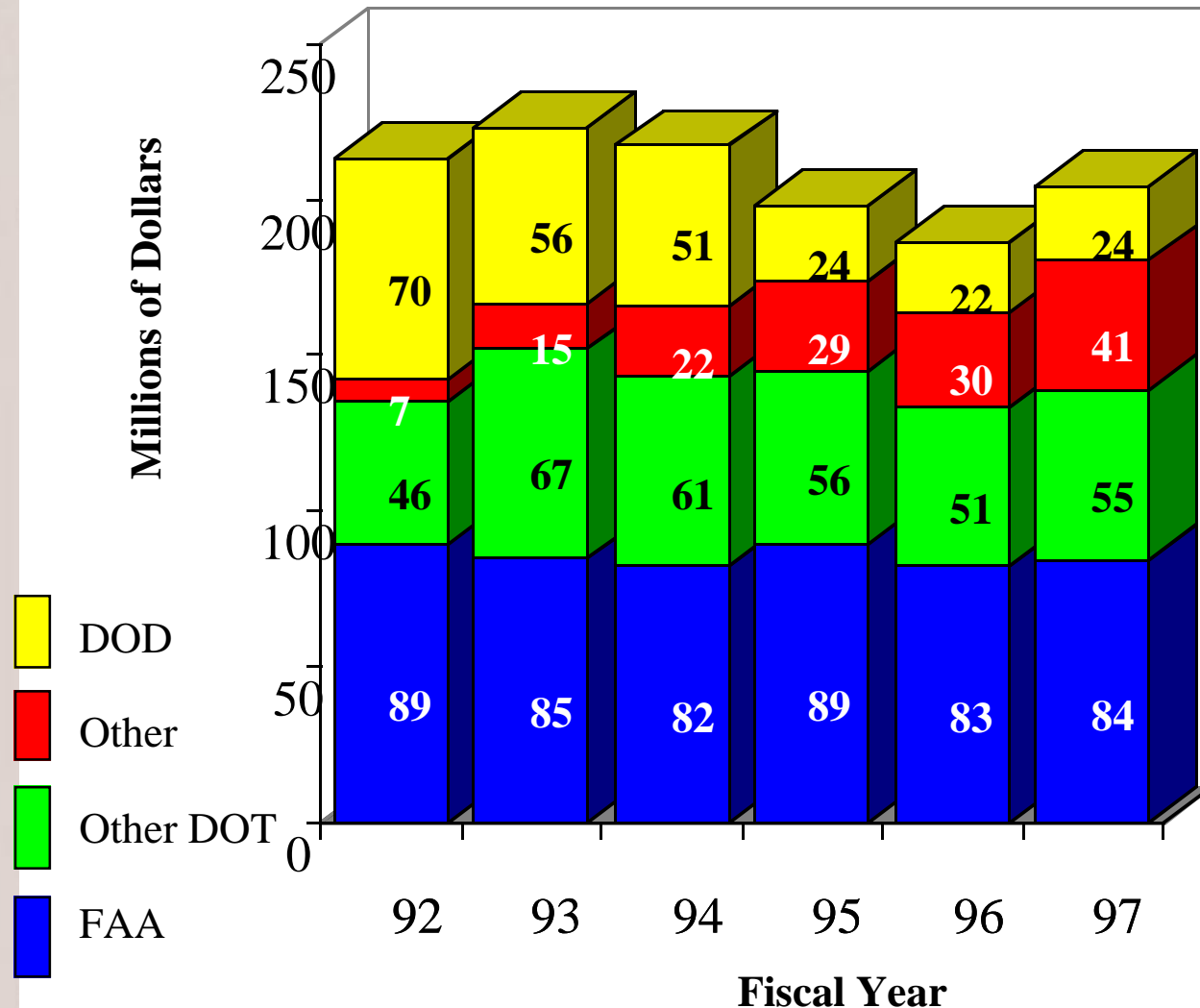
Obligations





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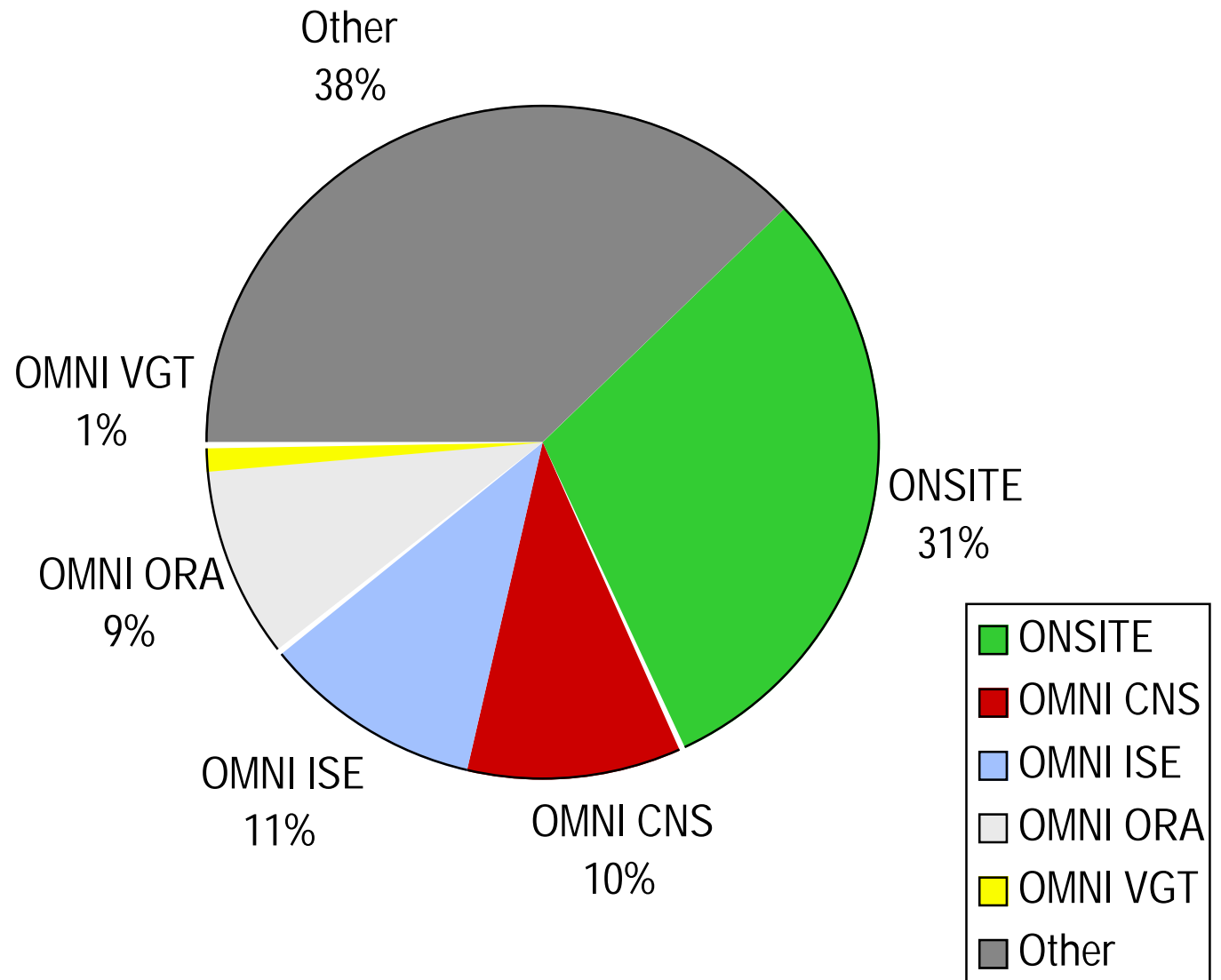
Obligations by Customer





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FY97 Contract Obligations





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Backup Slides

11/07/97



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Diverse Functional Expertise

Vehicle, Guideway, and Terminal Systems

Structures and Materials
Power and Propulsion
Environmental Compliance & Remediation
Infrastructure Renewal and Rehabilitation

Communication, Navigation, and Surveillance

Satellite Communication & Navigation
Air/Ground Communications
Vehicle/Cargo Detection & Tracking
Fiber Optics & Smart Card Technology
Alcohol & Explosives Detection

Operations Research and Analysis

System Simulation & Modeling
Transportation Planning & Demand Forecasting
Human Factors Analysis and Design
Risk Analysis
Cost-Benefit & Economic Analysis
Environmental Assessment & Modeling
Training
Strategic Planning and Analysis

Management Processes and Systems

Management Information Systems
Logistic Management Systems
Geographic Information Systems
Data Fusion, Processing & Storage
Business Process Redesign
Organizational Assessment